

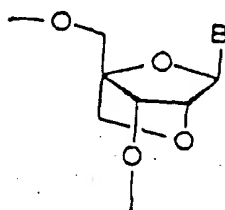
(I)

where B is a pyrimidine or purine nucleic acid base, or an analogue thereof, and X and Y are identical or different, and each ~~represent~~represents a hydrogen atom, an alkyl group, an alkenyl group, an ~~alkynyl~~alkynyl group, a cycloalkyl group, an aralkyl group, an aryl group, an acyl group, or a silyl group, or an amidite derivative thereof.

2. A nucleoside analogue as claimed in claim 1, wherein X and Y each ~~represent~~represents a hydrogen atom.

3. A mononucleoside amidite derivative as claimed in claim 1, wherein X is 4,4-dimethoxytrityl (DMTr), and Y is a 2-cyanoethoxy(diisopropylamino)~~phosphinophosphano~~ group ~~(amidite group)~~.

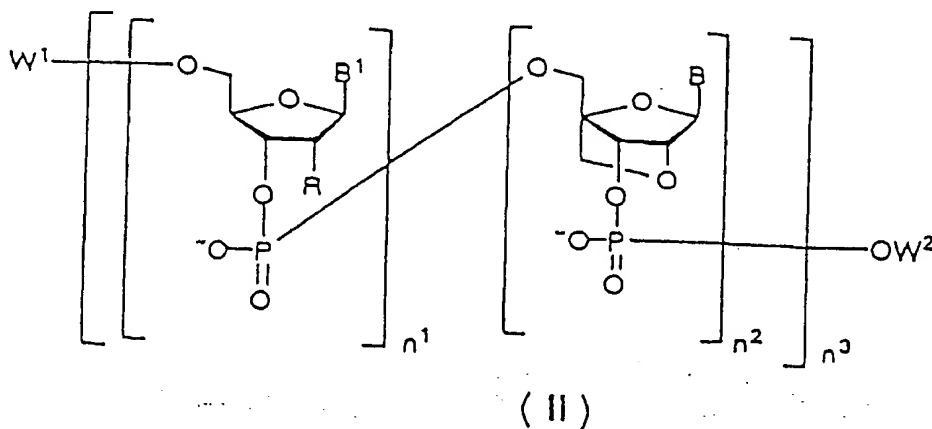
4. An oligonucleotide or polynucleotide analogue having one or more structures or the ~~general~~ formula (Ia)



(Ia)

where B is a pyrimidine or purine nucleic acid base, or a
an analogue thereof.

5. An oligonucleotide or polynucleotide analogue of the
~~general~~ formula (II)



(II)

where B¹ and B are identical or different, and each
~~represent~~represents a pyrimidine or purine nucleic acid base,

A

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or an analogue thereof, R is a hydrogen atom, a hydroxyl group, a halogen atom, or an alkoxy group,

W^1 and W^2 are identical or different, and each ~~represent~~represents a hydrogen atom, an alkyl group, an alkenyl group, an ~~alkinyl~~alkynyl group, a cycloalkyl group, an aralkyl group, an aryl group, an acyl group, a silyl group, a phosphoric acid residue, a naturally occurring nucleoside or a synthetic nucleoside bound via a phosphodiester bond, or an oligonucleotide or polynucleotide containing the nucleoside, n^1 ~~is~~en¹ or n^2 ~~is~~en² are identical or different, and each ~~denoted~~denotes an integer of 0 to 50, provided that ~~n^1 is or~~
 ~~n^2 is~~¹ and n^2 are not both zero ~~at the same time~~, and that not all of the n^2 ~~is~~en² are zero at the same time, n^3 denotes an integer of 1 to 50, provided that when n^1 and/or n^2 are or is 2 or more, B^1 and B need not be identical, and ~~R^1 is~~R need not be identical.